




Bharathiar University

State University | "A++" Grade by NAAC | 26th Rank in MoE-NIRF
Maruthamalai Road, Coimbatore, Tamil Nadu - 641 046.

Dr PERIYASAMY JAYARAMAN Assistant Professor Department of Applied Mathematics Bharathiar University , 641046 Tamil Nadu E-mail: pjramanmath2016@buc.edu.in Phone: 9786432753 Office Number: 0422 2428629	
Research Area <ul style="list-style-type: none">• Fuzzy Mathematics• Fuzzy Operation Research• Fuzzy Soft Set• Artificial Intelligence and Machine Learning Applications	Courses Teaching <ul style="list-style-type: none">• Abstract Algebra• Linear Algebra• Topology• Optimization Techniques• Numerical Analysis
Research Experience: 20	Teaching Experience: 20
Research Credentials (as on September 2025 – Source: Google scholar) H-index: 7 Citations: 96 i10-index: 3	
Publications International Journals: 26	
Career Other Institutes 1. Designation : Guest Faculty Institution Name : Centre for Distance Education, Bharathidasan University, Tiruchirappalli. Period : November 2010 - August 2011 2. Designation : Guest Faculty Institution Name : Bharathidasan University Constituent College, Navalur Kuttappattu, Srirangam Tk. Period : May 2016 - October 2016 3. Designation : Guest Faculty Institution Name : Bharathidasan University Constituent College, Kurumbalur, Perambalur. Period : June 2008 - November 2010 4. Designation : Assistant Professor Institution Name : Bharathi Arts & Science College Kallakurchi Period : January 2006 - May 2007 5. Designation : Guest Faculty Institution Name : Bharathidasan University Constituent College, Navalur Kuttappattu, Srirangam Tk. Period : August 2011 - April 2016	
Education Ph. D. Subject : Mathematics Institution : Jamal Mohamed College, Tiruchirappalli Affiliated University : Bharathidasan University Year of Award : December 2015	



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Dr PERIYASAMY JAYARAMAN , Assistant Professor , Department of Applied Mathematics

B.Ed

Subject : Mathematics

Institution : Dhanalakshmi Srinivasan College, Perambalur.

Affiliated University : Bharathidasan University

Year of Award : June 2006

M. Phil.

Subject : Mathematics

Institution : Madurai Kamaraj University

Affiliated University : Madurai Kamaraj University

Year of Award : December 2005

PGDCA

Subject : Computer Application

Institution : Bharathidasan University

Affiliated University : Bharathidasan University

Year of Award : December 2001

M. Sc.

Subject : Mathematics

Institution : Jamal Mohamed College, Tiruchirappalli

Affiliated University : Bharathidasan University

Year of Award : May 2000

B. Sc.

Subject : Mathematics

Institution : Arignar Anna Govt. Arts College, Musiri

Affiliated University : Bharathidasan University

Year of Award : May 1997

Projects

Research Guidance Completed

M.Phil. - 5 Ph.D. - 4

On Going

Ph.D. - 1

Visits

1. INTERNATIONAL CONFERENCE ON MATHEMATICAL SCIENCES AND STATISTICS,PUTRAJAYAUNIVERSITY, MALAYSIA. (2018-02-08 - 2018-02-06)

Programs organized

1. International Conference on Applied Mathematics and Computing (2025-02-19 - 2025-02-20)

Publications

International Journals - 26

26. Interval-Valued Intuitionistic Fuzzy Cosine Similarity Measures for Real World Problem Solving

International Journal of Robotics & Control Systems, 2024, Vol. 4 Issue 2, p655-677. 23p (April 2024)

P. Sangeetha, and P. Jayaraman

25. An EXTENSION OF FERMATEAN B-DERIVED FUZZY SOFT TERNARY SUBGROUP

Annals of Communications in Mathematics, 2023, Vol. 6, Issue 1, 44 (July 2023)

SV MANEMARAN, R NAGARAJAN, P JAYARAMAN



24. Algebraic structure through interval-valued fuzzy signature based on interval-valued fuzzy sets

Granular Computing, 2023, Vol. 8, Issue 5, p1081-1096 (March 2023)
P. Sangeetha, and P. Jayaraman

23. Fuzzy Subalgebras and Ideals With Thresholds of Hilbert Algebras

International Journal of Analysis and Applications 20 (2022): 68-68. (December 2022)
Aiyared lampan, P Jayaraman, SD Sudha, N Rajesh

22. Interval-Valued Neutrosophic Deductive Systems of Hilbert Algebras

International Journal of Neutrosophic Science (IJNS) 19, no. 1 (2022) (September 2022)
Aiyared lampan, P Jayaraman, SD Sudha, Said Broumi, N Rajesh

21. Interval-Valued Neutrosophic Ideals of Hilbert Algebras

International Journal of Neutrosophic Science (IJNS) Vol. 18, No. 04, PP. 223-237, 2022 (July 2022)
Aiyared lampan, P Jayaraman, SD Sudha, N Rajesh

20. Interval-valued neutrosophic subalgebras of Hilbert algebras

Asia Pacific Journal of Mathematics 9 (2022) (April 2022)
Aiyared lampan, P Jayaraman, SD Sudha, N Rajesh

19. APPROXIMATION THEORY IN UP-ALGEBRAS BASED ON INTUITIONISTIC FUZZY SETS

Journal of Quality Measurement and Analysis JQMA 18, no. 3 (2022): 71-82 (March 2022)
P. Jayaraman, S. D. Sudha

18. Application of picture fuzzy soft relations in multi-attribute decision making

Journal of University of Shanghai for Science and Technology 23, no. 9 (2021): 911-928 (September 2021)
P Jayaraman, K Vetrikanni, A Selvakumar, R Nagarajan

17. A novel approach for solving fuzzy differential equations using cubic spline method

Mathematical Problems in Engineering, 2021, no. 1 (2021): 5553732 (August 2021)
S Karpagappriya, Nazek Alessa, P Jayaraman, K Loganathan

16. Cyclic normal fuzzy neutrosophic soft G-modular structures acting on a group

Journal of Physics: Conference Series, vol. 1132, no. 1, p. 012005. IOP Publishing, 2018 (November 2018)
P. Jayaraman

15. Double-framed soft version of chain over distributive lattice

International Journal of Computational Engineering Research, 8 (2018): 1-7 (February 2018)
P. Jayaraman, K Sampath, RJ Hussain

14. Analysis and Design of Interaction method of Computing Teaching Distance Education

Bharathidasan University Publication Division (December 2017)
P. Jayaraman

13. Intuitionistic fuzzy linear fractional programming problem using denominator objective restriction method

International Journal of Pure and Applied Mathematics 114, no. 4 (2017): 777-789 (September 2017)
S Narayanamoorthy, P. Jayaraman, D Meera

12. A double framed soft action group and its application to group theory

International Journal of Pure and Applied Mathematics, 2017 (April 2017)
P.Jayaraman R. Jahir Hussain, K. Sampath

11. Applications of double-framed soft ideal structures over gamma near-rings

Global Journal of Pure and Applied Mathematics 13, no. 9 (2017): 5101-5113 (March 2017)
R Jahir Hussain, K Sampath, P Jayaraman

10. A New Approach to M (G)-Group Soft Union Action and Its Applications to M (G)-Group Theory

International Journal of Soft Computing, Mathematics and Control (IJSCMC) 6, no. 1 (2017) (February 2017)
P. Jayaraman, R Nagarajan

9. Double-framed fuzzy soft version of G-modular structures

Asian Journal of Science and Technology (January 2017)
P.Jayaraman R. Jahir Hussain, K. Sampath



8. Lattice structures of double-framed fuzzy soft lattices

specialty journal of engineering and applied science 2, no. 3-2017 (2017): 10-21 (January 2017)
RJ Hussain, K Sampath, P Jayaraman

7. Threshold combinations of fuzzy soft quotient groups

American National Engineering Database (September 2015)
R. Jahir Hussain P.Jayaraman, K. Sampath

6. Fuzzy Transportation Problem Using Improved Fuzzy Russells Method

International Journal of Mathematics Trends and Technology-IJMTT 5 (2014) (September 2014)
RJ Hussain, P Jayaraman

5. Fuzzy optimal transportation problems by improved zero suffix method via robust rank techniques

International Journal of fuzzy mathematics and systems 3, no. 4 (2013): 303-311 (September 2013)
P Jayaraman, R Jahirhussian

4. New Solution to Vector Fuzzy Transportation Problem in Interval Integer Form

International Organization of Scientific Research, 2013 (April 2013)
P.Jayaraman R. Jahir Hussain

3. Fuzzy Solution to Fuzzy Transportation Problem: Squaring Method

International Journal of Mathematical Archieve, 2013 (March 2013)
P.Jayaraman R. Jahir Hussain

2. Fuzzy optimal assignment problems via robust ranking techniques

International Journal of Mathematical Archive 4, no. 11 (2013): 264-269 (February 2013)
R Jahirhussian, P Jayaraman

1. A new method for obtaining an optimal solution for fuzzy transportation problems

International Journal of Mathematical Archive 4, no. 11 (2013): 256-263 (January 2013)
R Jahirhussian, P Jayaraman